

40988-P001P2D1

PATENT



UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Edward A. Hubbard
Serial No.: 10/766,972
Filing Date: January 29, 2004
Group Art Unit: Not Yet Assigned
Before the Examiner: Not Yet Assigned
Title: DATA CONVERSION SERVICES AND ASSOCIATED
DISTRIBUTED PROCESSING SYSTEM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being submitted in connection with the above-identified application for patent. Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the

CERTIFICATION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 1, 2004.

Signature

Serena Beller

(Printed name of person certifying)

patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 C.F.R. § 1.98(a)(1).

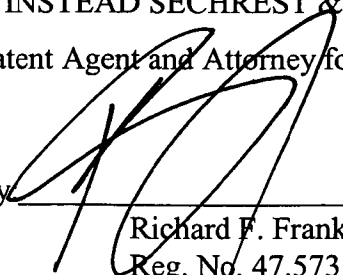
A copy of each of the items identified on the attached Form PTO-1449 is supplied herewith, except for the U.S. patents and the pending patent applications, for which no copies are being submitted.

Respectfully submitted,

WINSTEAD SECHREST & MINICK P.C.

Patent Agent and Attorney for Applicant

By



Richard F. Frankeny

Reg. No. 47,573

Kelly K. Kordzik

Reg. 36,571

P.O. Box 50784
Dallas, Texas 75201
512/370-2872

In Place of FORM PTO-1449 (Modified)

Serial No.: 10/766,972

Applicants: Edward A. Hubbard et al.

Filing Date: January 29, 2004

Group:

Atty. Docket No.: 40988-P001P2D1

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANTS' INFORMATION DISCLOSURE
STATEMENT**

Reference Designation

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|------------------|-----------------|----------|-------------------|-------|----------|----------------------------|
| ____AAA | 4,669,730 | 06/02/87 | Small | 273 | 138 | |
| ____ABA | 4,815,741 | 03/28/89 | Small | 273 | 138 | |
| ____ACA | 5,056,019 | 10/08/91 | Schultz et al. | 364 | 405 | |
| ____ADA | 5,332,218 | 07/26/94 | Lucey | 273 | 138 | |
| ____AEA | 5,402,394 | 3/28/95 | Turski | 368 | 10 | |
| ____AFA | 5,483,444 | 01/09/96 | Heintzeman et al. | 364 | 401 | |
| ____AGA | 5,594,792 | 01/14/97 | Chouraki et al. | 379 | 269 | |
| ____AHA | 5,598,566 | 01/28/97 | Pascucci et al. | 395 | 750 | |
| ____AIA | 5,655,081 | 08/05/97 | Bonnell et al. | 395 | 200.32 | |
| ____AJA | 5,703,949 | 12/30/97 | Rosen | 380 | 21 | |
| ____AKA | 5,740,231 | 04/14/98 | Cohn et al. | 379 | 88.22 | |
| ____ALA | 5,740,549 | 04/14/98 | Reilly et al. | 705 | 14 | |
| ____AMA | 5,768,504 | 6/16/98 | Kells et al. | 395 | 187.01 | |
| ____ANA | 5,768,532 | 06/16/98 | Megerian | 709 | 245 | |
| ____AOA | 5,802,062 | 09/01/98 | Gehani et al. | 370 | 465 | |
| ____APA | 5,815,793 | 09/29/98 | Ferguson | 455 | 3.1 | |
| ____AQA | 5,826,261 | 10/20/98 | Spencer | 707 | 5 | |
| ____ARA | 5,826,265 | 10/20/98 | Van Huben et al. | 707 | 8 | |
| ____ASA | 5,842,219 | 11/24/98 | High, Jr. et al. | 707 | 103 | |
| ____ATA | 5,848,415 | 12/08/98 | Guck | 707 | 10 | |
| ____AUA | 5,862,325 | 01/19/99 | Reed et al. | 395 | 200.31 | |
| ____AVA | 5,884,072 | 03/16/99 | Rasmussen | 395 | 600 | |
| ____AWA | 5,887,143 | 03/23/99 | Saito et al. | 395 | 200 | |
| ____AXA | 5,893,075 | 04/06/99 | Plainfield et al. | 705 | 14 | |
| ____AYA | 5,907,619 | 05/25/99 | Davis | 713 | 176 | |
| ____AZA | 5,909,540 | 06/01/99 | Carter et al. | 395 | 182.02 | |
| ____BAB | 5,911,776 | 06/15/99 | Guck | 709 | 217 | |
| ____BBB | 5,916,024 | 06/29/99 | Von Kohorn | 463 | 40 | |
| ____BCB | 5,918,229 | 06/29/99 | Davis et al | 707 | 10 | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.C./

Serial No.: 10/766,972

Applicants: Edward A. Hubbard et al.

Atty. Docket No.: 40988-P001P2D1

| | | | | | | |
|----------|-----------|----------|------------------|-----|-----|--|
| _____BDB | 5,921,865 | 07/13/99 | Scagnelli et al. | 463 | 17 | |
| _____BEB | 5,937,192 | 08/10/99 | Martin | 395 | 705 | |
| _____BFB | 5,953,420 | 09/14/99 | Matyas et al. | 713 | 171 | |
| _____BGB | 5,958,010 | 09/28/99 | Agarwal et al. | 709 | 224 | |
| _____BHB | 5,964,832 | 10/12/99 | Kisor | 709 | 202 | |
| _____BIB | 5,966,451 | 10/12/99 | Utsumi | 380 | 49 | |
| _____BJB | 5,970,469 | 10/19/99 | Scroggie et al. | 705 | 14 | |
| _____BKB | 5,970,477 | 10/19/99 | Roden | 705 | 32 | |
| _____BLB | 5,978,594 | 11/02/99 | Bonnell et al. | 395 | 837 | |
| _____BMB | 5,987,506 | 11/16/99 | Carter et al. | 709 | 213 | |
| _____BNB | 6,003,065 | 12/14/99 | Yan et al. | 709 | 201 | |
| _____BOB | 6,009,455 | 12/28/99 | Doyle | 709 | 201 | |
| _____BPB | 6,014,634 | 01/11/00 | Scroggie et al. | 705 | 14 | |
| _____BQB | 6,014,712 | 01/11/00 | Islam et al. | 709 | 246 | |
| _____BRB | 6,024,640 | 02/15/00 | Walker et al. | 463 | 17 | |
| _____BSB | 6,026,474 | 02/15/00 | Carter et al. | 711 | 202 | |
| _____BTB | 6,052,584 | 04/18/00 | Harvey et al. | 455 | 423 | |
| _____BUB | 6,052,785 | 04/18/00 | Lin et al. | 713 | 201 | |
| _____BVB | 6,058,393 | 05/02/00 | Meier et al. | 707 | 10 | |
| _____BWB | 6,061,660 | 05/09/00 | Eggleston et al. | 705 | 14 | |
| _____BXB | 6,065,046 | 05/16/00 | Feinberg et al. | 709 | 216 | |
| _____BYB | 6,070,190 | 05/30/00 | Reps et al. | 709 | 224 | |
| _____BZB | 6,078,953 | 06/20/00 | Vaid et al. | 709 | 223 | |
| _____CAC | 6,094,654 | 07/25/00 | Van Huben et al. | 707 | 8 | |
| _____CBC | 6,098,091 | 08/01/00 | Kisor | 709 | 202 | |
| _____CCC | 6,112,225 | 08/29/00 | Kraft et al. | 709 | 202 | |
| _____CDC | 6,112,304 | 08/29/00 | Clawson | 713 | 156 | |
| _____CEC | 6,112,181 | 08/29/00 | Shear et al. | 705 | 1 | |
| _____CFC | 6,112,225 | 08/29/00 | Kraft et al. | 709 | 202 | |
| _____CGC | 6,115,713 | 09/05/00 | Pascucci et al. | 707 | 10 | |
| _____CHC | 6,128,644 | 10/03/00 | Nozaki | 709 | 203 | |
| _____CIC | 6,134,532 | 10/17/00 | Lazarus et al. | 705 | 14 | |
| _____CJC | 6,135,646 | 10/24/00 | Kahn et al. | 709 | 217 | |

Serial No.: 10/766,972

Applicants: Edward A. Hubbard et al.

Atty. Docket No.: 40988-P001P2D1

| | | | | | | |
|----------|-----------|----------|-------------------|-----|-----|--|
| _____CKC | 6,138,155 | 10//2400 | Davis et al. | 709 | 224 | |
| _____CLC | 6,148,335 | 11/14/00 | Haggard et al. | 709 | 224 | |
| _____CMC | 6,148,377 | 11/14/00 | Carter et al. | 711 | 147 | |
| _____CNC | 6,151,684 | 11/21/00 | Alexander et al. | 714 | 4 | |
| _____COC | 6,167,428 | 12/26/00 | Ellis | 709 | 201 | |
| _____CPC | 6,189,045 | 02/13/01 | O'Shea et al. | 709 | 246 | |
| _____CQC | 6,208,975 | 03/27/01 | Bull et al. | 705 | 14 | |
| _____CRC | 6,212,550 | 04/03/01 | Segur | 709 | 206 | |
| _____CSC | 6,249,836 | 06/19/01 | Downs et al. | 710 | 268 | |
| _____CTC | 6,263,358 | 07/17/01 | Lee et al. | 709 | 100 | |
| _____CUC | 6,334,126 | 12/25/01 | Nagatomo et al. | 707 | 4 | |
| _____CVC | 6,336,124 | 01/01/02 | Alam et al. | 715 | 523 | |
| _____CWC | 6,347,340 | 02/12/02 | Coelho et al. | 709 | 246 | |
| _____CXC | 6,356,929 | 03/12/02 | Gall et al. | 709 | 201 | |
| _____CYC | 6,370,510 | 04/09/02 | McGovern et al. | 705 | 1 | |
| _____CZC | 6,370,560 | 04/09/02 | Robertazzi et al. | 709 | 105 | |
| _____DAD | 6,374,254 | 4/16/02 | Cochran et al. | 707 | 102 | |
| _____DBD | 6,377,975 | 04/23/02 | Florman | 709 | 203 | |
| _____DCD | 6,389,421 | 05/14/02 | Hawkins et al. | 707 | 10 | |
| _____DDD | 6,393,014 | 05/21/02 | Daly et al. | 370 | 352 | |
| _____DED | 6,415,373 | 07/02/02 | Peters et al. | 711 | 167 | |
| _____DFD | 6,418,462 | 7/9/02 | Xu | 709 | 201 | |
| _____DGD | 6,421,781 | 07/16/02 | Fox et al. | 713 | 201 | |
| _____DHD | 6,434,594 | 08/13/02 | Wesemann | 709 | 201 | |
| _____DID | 6,434,609 | 08/13/02 | Humphrey | 709 | 218 | |
| _____DJD | 6,438,553 | 08/20/02 | Yamada | 707 | 10 | |
| _____DKD | 6,463,457 | 10/8/02 | Armentrout et al. | 709 | 201 | |
| _____DLD | 6,473,805 | 10/29/02 | Lewis | 709 | 246 | |
| _____DMD | 6,477,565 | 11/05/02 | Daswani et al. | 709 | 217 | |
| _____DND | 6,499,105 | 12/24/02 | Yoshiura et al. | 713 | 176 | |
| _____DOD | 6,505,246 | 01/07/03 | Land et al. | 709 | 224 | |
| _____DPD | 6,516,338 | 02/04/03 | Landsman et al. | 709 | 203 | |
| _____DQD | 6,516,350 | 02/04/03 | Lumelsky et al. | 709 | 226 | |

Serial No.: 10/766,972
 Applicants: Edward A. Hubbard et al.
 Atty. Docket No.: 40988-P001P2D1

| | | | | | | |
|----------|-----------|----------|------------------|-----|-------|--|
| _____DRD | 6,546,419 | 04/08/03 | Humpleman et al. | 709 | 223 | |
| _____DSD | 6,615,166 | 09/02/03 | Guheen et al. | 703 | 27 | |
| _____DTD | 6,643,291 | 11/04/03 | Yoshihara et al. | 370 | 395.5 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation Yes No |
|------------------|-----------------|----------|----------|-------|----------|-----------------------|
| _____DUD | WO0173545A2 | 10/04/01 | PCT | | | X |
| _____DVD | WO0114961A2 | 03/01/01 | PCT | | | X |
| _____DWD | EP0883313A2 | 09/12/98 | European | | | X |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| Examiner Initial | |
|------------------|--|
| _____DXD | Brian Hayes, "Computing Science: Collective Wisdom," <i>American Scientist</i> , March-April 1998. |
| _____DYD | Steve Lawrence, et al., "Accessibility of information on the web," <i>Nature</i> , Vol. 400, pp. 107-109, July 1999. |
| _____DZD | Steve Lawrence, et al., "Searching the World Wide Web," <i>Science</i> , Vol. 280, pp. 98-100, April 3, 1998. |
| _____EAE | Steve Lawrence, et al., "Context and Page Analysis for Improved Web Search," <i>IEEE Internet Computing</i> , pp. 38-46, July-August 1998. |
| _____EBE | Vasken Bohossian, et al., "Computing in the RAIN: A Reliable Array of Independent Nodes," California Institute of Technology, September 24, 1999. |
| _____ECE | "A White Paper: The Economic Impacts of Unacceptable Web-Site Download Speeds," Zona Research, Inc., pp. 1-17, April 1999. |
| _____EDE | Peter J. Sevcik, "The World-Wide-Wait Status Report," <i>Northeast Consulting Resources, Inc.</i> , Global Internet-Performance Conference, October 14, 1999. |
| _____EEE | "White Paper: Max, and the Objective Measurement of Web Sites," WebCriteria, Version 1.00, pp. 1-11, March 12, 1999. |
| _____EFE | Renu Tewari, et al., "Design Considerations for Distributed Caching on the Internet," pp. 1-13, May 1999. |
| _____EGE | "Measuring and Improving Your E-Commerce Web Site Performance with Keynote Perspective," Keynote Systems, pp. 1-15, March 29, 2000. |
| _____EHE | Sullivan, et al., "A New Major SETI Project Based On Project Serendip Data and 100,000 Personal Computers," Proc of the Fifth Intl Conf on Bioastronomy IAU Colloq No. 161, pp. 729-734, 1997. |
| _____EIE | Caronni, et al., "How Exhausting is Exhaustive Search?" RSA Laboratories' CryptoBytes, Vol. 2, No. 3, pp. 2-6, Jan-Mar 1997. |
| _____EJE | Bricker, et al., "Condor Technical Summary," Computer Sciences Dept., University of Wisconsin, Version 4.1b, pp.1-10, Jan. 28, 1992. |

- _____EKE Fields, "Hunting for Wasted Computing Power-New Software for Computing Networks Puts Idle PCs to Work," 1993 Research Sampler, University of Wisconsin, pp. 1-5, 1993.
- _____ELE Anderson, et al., "SETI@home: Internet Distributed Computing for SETI," A New Era in Bioastronomy, ASP Conference Series, Vol. 213, pp. 511-517, 2000.
- _____EME Bowyer, et al., "Twenty Years of Serendip, the Berkeley SETI Effort: Past Results and Future Plans," Astronomical and Biochemical Origins and the Search for Life in the Universe, pp. 667-676, 1997.
- _____ENE Litzkow, et al., "Condor - A Hunter of Idle Workstations," The 8th International Conf. on Distributed Computing Systems, pp.104-111, 1988.
- _____EOE Hamidzadeh, et al., "Dynamic Scheduling Techniques for Heterogeneous Computing Systems," Concurrency: Practice and Experience, Vol. 7(7), pp. 633-652, 1995.
- _____EPE Grimshaw, et al., "The Legion Vision of a Worldwide Virtual Computer," Communications of the ACM, Vol. 40, No. 1, pp. 39-45, 1997.
- _____EQE Catlett, et al., "Metacomputing," Communications of the ACM, Vol. 35, No. 6, pp. 44-52, 1992.
- _____ERE Foster, et al., "Globus: A Metacomputing Infrastructure Toolkit," The International Journal of Supercomputer Applications and High Performance Computing, Vol. 11, No. 2, pp. 115-128, 1997.
- _____ESE Mutka, et al., "The Available Capacity of a Privately Owned Workstation Environment," Performance Evaluation 12 (1991) pp. 269-284.
- _____ETE Sullivan, et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers," Astronomical and Biochemical Origins and the Search for Life in the Universe, 5th International Conference on Bioastronomy, IAU Colloquium No. 161, pp. 729-734, 1996.
- _____EUE Gelernter, "Domesticating Parallelism," IEEE Computer, Aug. 1986, 19(8), pp. 12-16.
- _____EVE Goldberg, et al., "A Secure Environment for Untrusted Helper Applications-Confining the Wily Hacker," 6th USENIX Security Symposium, pp. 1-13, 1996.
- _____EWE distributed.net: The fastest computer on Earth: Feb 08, 1999, <http://web.archive.org/web/19990221230053/http://distributed>.
- _____EXE London et al., "POPCORN - A Paradigm for Global-Computing", THESIS UNIVERSITY JERUSALEM, June 1998 (1998-06).
- _____EYE Takagi H. et al., "Ninlet: a migratable parallel objects framework using Java", JAVA FOR HIGH-PERFORMANCE NETWORK COMPUTING, Syracuse, NY, USA, 2/1998, Vol. 10, No. 11-13, pp 1063-1078.
- _____EZE Waldspurger, C.A. et al., "Spawn: a distributed computational economy" IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, IEEE INC., NY, US, 2/1992, Vol. 18, No. 2, pp. 103-117.
- _____FAF Neary, M. O., et al., "Javelin: Parallel computing on the internet" FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS, Amsterdam, NL, 10/1999, Vol. 15, no. 5-6, pp. 661-664.
- _____FBF Foster, Ian et al., "The Physiology of the Grid," This is a DRAFT document and continues to be revised.
- _____FCF Douceur, John R. et al., "A Large-Scale Study of File-System Contents," Microsoft Research, Redmond, WA 98052, May 1999.
- _____FDF Bolosky, William J. et al., "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs," Microsoft Research, Redmond, WA 98052, June 2000.

Serial No.: 10/766,972

Applicants: Edward A. Hubbard et al.

Atty. Docket No.: 40988-P001P2D1

- _____ FEF Regev, Ori; Economic Oriented CPU Sharing System for the Internet; Master of Science in Computer Science thesis; Institute of Computer Science; The Hebrew University of Jerusalem; July, 1998.
- _____ FFF May, Michael; Idle Computing Resources as Micro-Currencies – Bartering CPU Time for Online Content; AACE WebNet99; Oct. 25-30, 1999.
- _____ FGF May, Michael; Distributed RC5 Decryption as a Consumer for Idle – Time Brokerage; DCW99 Workshop on Distributed Computer on the Web; June 21-23, 1999.
- _____ FHF May, Michael; Locust – A Brokerage System for Accessing Idle Resources for Web-Computing; Proceedings of the 25th Euromicro Conference; Vol. 2, pp. 466-473; September 8-10, 1999.
- _____ FIF Huberman, Bernardo A., et al.; Distributed Computation as an Economic System; Journal of Economic Perspectives; Vol. 9, No. 1; pp. 141-152; Winter 1995.

Examiner:

/Natisha Cox/

Date Considered:

03/17/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AUSTIN_1\244439\1
40988-P001P2D1